

## Appendix 2. Alignment of huBUB3 proteins

'182, NO:2	MTGSNEFKLNQPPEDGISSVKFSPNTSQFLLVSSWDTSVRLYDVPANSMRLKYQHTGAVL	60
'700, NO:2	MTGSNEFKLNQPPEDGISSVKFSPNTSQFLLVSSWDTSVRLYDVPANSMRLKYQHTGAVL	
inv. discl.	MTGSNEFKLNQPPEDGISSVKFSPNTSQFLLVSSWDTSVRLYDVPANSMRLKYQHTGAVL	
Lee-Ng seq.	MTGSNEFKLNQPPEDGISSVKFSPNTSQFLLVSSWDTSVRLYDVPANSMRLKYQHTGAVL	
'182, NO:2	DCAFYDPTHAWSGGLDHQLKMHDNLNTDQENLVGTHDAPIRCVEYCPEVNVMTGSDWQTV	120
'700, NO:2	DCAFYDPTHAWSGGLDHQLKMHDNLNTDQENLVGTHDAPIRCVEYCPEVNVMTGSDWQTV	
inv. discl.	DCAFYDPTHAWSGGLDHQLKMHDNLNTDQENLVGTHDAPIRCVEYCPEVNVMTGSDWQTV	
Lee-Ng seq.	DCAFYDPTHAWSGGLDHQLKMHDNLNTDQENLVGTHDAPIRCVEYCPEVNVMTGSDWQTV	
'182, NO:2	KLWDPRTPCNAGTFSQPEKVYTLVSGDRLIVGTAGRRVLVWDLRNMGYVQQRRRESSLKY	180
'700, NO:2	KLWDPRTPCNAGTFSQPEKVYTLVSGDRLIVGTAGRRVLVWDLRNMGYVQQRRRESSLKY	
inv. discl.	KLWDPRTPCNAGTFSQPEKVYTLVSGDRLIVGTAGRRVLVWDLRNMGYVQQRRRESSLKY	
Lee-Ng seq.	KLWDPRTPCNAGTFSQPEKVYTLVSGDRLIVGTAGRRVLVWDLRNMGYVQQRRRESSLKY	
'182, NO:2	QTRCIRAFPKNQGYVLSSIEGRVAVEYLDPSPEVQKKKYAFKCHRLKENNIEQIYPVNAI	240
'700, NO:2	QTRCIRAFPKNQGYVLSSIEGRVAVEYLDPSPEVQKKKYAFKCHRLKENNIEQIYPVNAI	
inv. discl.	QTRCIRAFPKNQGYVLSSIEGRVAVEYLDPSPEVQKKKYAFKCHRLKENNIEQIYPVNAI	
Lee-Ng seq.	QTRCIRAFPKNQGYVLSSIEGRVAVEYLDPSPEVQKKKYAFKCHRLKENNIEQIYPVNAI	
'182, NO:2	SFHNIHNTFATGGSDGFVNIWDPFNKKRLCQFHRYPTSIASLAFSNDGTTLAIASSYME	300
'700, NO:2	SFHNIHNTFATGGSDGFVNIWDPFNKKRLCQFHRYPTSIASLAFSNDGTTLAIASSYME	
inv. discl.	SFHNIHNTFATGGSDGFVNIWDPFNKKRLCQFHRYPTSIASLAFSNDGTTLAIASSYME	
Lee-Ng seq.	SFHNIHNTFATGGSDGFVNIWDPFNKKRLCQFHRYPTSIASLAFSNDGTTLAIASSYME	
'182, NO:2	MDDTEHPEDGIFIRQVTD AETKPKSPCT	328
'700, NO:2	MDDTEHPEDGIFIRQVTD AETKPKSPCT	
inv. discl.	MDDTEHPEDGIFIRQVTD AETKPKSPCT	
Lee-Ng seq.	MDDTEHPEDGIFIRQVTD AETKPKSPCT	